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Rotary-Knife Stripper Facilitates Removal of X-Ray Film from Pack

A rotary-knife stripper has been designed to facilitate removal of X-ray film from the daylight pack paper sleeve. Previously, either a thin blade was used to slit the paper from two sides to allow release of the film, or the hands were simply used to strip the paper. The blade not only required frequent sharpening or replacement, but also occasionally scratched the film. Stripping by hand also tends to scratch the film and, in addition, introduces troublesome static electrical charges.

The new stripper is rectangular, approximately 4 inches wide, 5 inches high, and 7 inches long. The lead end of the exposed X-ray film is fed into the stripper by means of rollers, which keep the film flat and centered as it meets the cutters. These are self-sharpening, power-driven rotary knives, which are mounted one above the other on each side of the film strip. The knives are positioned to trim 1/16 inch from each edge of the sleeve as it passes through the stripper. On emerging from the stripper, the film may be wound on a take-up reel, while the paper strips

and edge trimming are collected in a trash receptacle.

The slit can be mounted on the apron of an automatic film processor, and the film led directly into the developer, without being wound on a take-up reel.

Notes:

1. This stripper would be useful in any industrial or commercial X-ray laboratory that uses daylight pack roll film in sections longer than four feet.
2. Documentation for the innovation is available from:

Clearinghouse for Federal Scientific
and Technical Information
Springfield, Virginia 22151
Price \$3.00

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Patent status:

No patent action is contemplated by NASA.

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